

Title (en)

Leg type mobile robot with shock absorber

Title (de)

Beweglicher Roboter mit Beinen und Dämpfungvorrichtung

Title (fr)

Robot mobile de type pédestre avec un système d'amortissement

Publication

EP 1953071 A2 20080806 (EN)

Application

EP 08250399 A 20080201

Priority

- JP 2007024758 A 20070202
- JP 2008019013 A 20080130

Abstract (en)

A leg type mobile robot includes a foot joined to a distal end of a leg through a second joint. The foot includes a foot flat portion (31) having a ground contact end of the foot, a movable portion (33) joined to the second joint and configured to be movable in a first direction with respect to the foot flat portion, a shock absorber (51) comprising first and second end portions allowed to move closer to or away from each other in a second direction, the first end portion (61) of the shock absorber being joined to a first point of the movable portion (33), and a motion direction conversion mechanism (52,53,54) configured to convert a motion of the movable portion (33) in the first direction to a motion of the second end portion of the shock absorber in the second direction with respect to the first point of the movable portion.

IPC 8 full level

B62D 57/032 (2006.01)

CPC (source: EP)

B25J 19/0091 (2013.01); **B62D 57/032** (2013.01)

Citation (applicant)

- US 2004238240 A1 20041202 - HIROSE MASATO [JP], et al
- JP 2001062760 A 20010313 - HONDA MOTOR CO LTD
- US 6401846 B1 20020611 - TAKENAKA TORU [JP], et al

Cited by

CN114044065A; CN114435505A; CN113119161A; CN104361188A; CN107825430A; CN116080789A; CN115285252A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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EP 08250399 A 20080201